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Marconetti, E.; Guenard, R.; Savage, D.; Crowe, P.; Epelde, I.; Bradley, L.; Cal
Circuits and Systems, 2002. ISCAS 2002. IEEE International Symposium on , V
5 , 26-29 May 2002

Page(s): V-553 -V-556 vol.5

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2 Adaptive Reed-Solomon decoding using Gao's algorithm

Komo, J.J.; Joiner, L.L.;

MILCOM 2002. Proceedings , Volume: 2 , 7-10 Oct. 2002

Page(s): 1340 -1343 vol.2

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3 A modified algorithm for correction of errors and erasures in Reed S decoders

Guidotti, G.; Santoli, T.;

Singapore ICCS/ISITA '92. 'Communications on the Move' , 16-20 Nov. 1992

Page(s): 882 -884 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(104 KB\)\]](#) **IEEE CNF**

4 Generalised triangular basis multipliers for the design of Reed-Solomon decoders

Furness, R.; Benaissa, M.; Fenn, S.T.J.;

Signal Processing Systems, 1997. SIPS 97 - Design and Implementation., 1997
Workshop on , 3-5 Nov. 1997
Page(s): 202 -211

[\[Abstract\]](#) [\[PDF Full-Text \(416 KB\)\]](#) **IEEE CNF**

5 Linear Diophantine equations over polynomials and soft decoding of Reed-Solomon codes

Alekhnovich, M.;

Foundations of Computer Science, 2002. Proceedings. The 43rd Annual IEEE Symposium on , 16-19 Nov. 2002

Page(s): 439 -448

[\[Abstract\]](#) [\[PDF Full-Text \(1657 KB\)\]](#) **IEEE CNF**

6 Decoding Reed-Solomon codes generated by any generator polynomial

Shayan, Y.R.; Le-Ngoc, T.;

Electronics Letters , Volume: 25 Issue: 18 , 31 Aug. 1989

Page(s): 1223 -1224

[\[Abstract\]](#) [\[PDF Full-Text \(168 KB\)\]](#) **IEEE JNL**

7 On decoding of both errors and erasures of a Reed-Solomon code using inverse-free Berlekamp-Massey algorithm

Jyh-Horng Jeng; Trieu-Kien Truong;

Communications, IEEE Transactions on , Volume: 47 Issue: 10 , Oct. 1999

Page(s): 1488 -1494

[\[Abstract\]](#) [\[PDF Full-Text \(348 KB\)\]](#) **IEEE JNL**

8 Efficient root-finding algorithm with application to list decoding of algebraic-geometric codes

Xin-Wen Wu; Siegel, P.H.;

Information Theory, IEEE Transactions on , Volume: 47 Issue: 6 , Sept. 2001

Page(s): 2579 -2587

[\[Abstract\]](#) [\[PDF Full-Text \(368 KB\)\]](#) **IEEE JNL**

9 High-speed architectures for Reed-Solomon decoders

Sarwate, D.V.; Shanbhag, N.R.;

Very Large Scale Integration (VLSI) Systems, IEEE Transactions on , Volume: 9

Issue: 5 , Oct. 2001

Page(s): 641 -655

[\[Abstract\]](#) [\[PDF Full-Text \(392 KB\)\]](#) **IEEE JNL**

10 Decoding algebraic-geometric codes using Grobner bases

Saints, K.; Rubio, I.; Heegard, C.;

Information Theory, 1994. Proceedings., 1994 IEEE International Symposium on
June-1 July 1994

Page(s): 156

[\[Abstract\]](#) [\[PDF Full-Text \(76 KB\)\]](#) **IEEE CNF**

11 Fast parallel algorithms for decoding Reed-Solomon codes

Dabiri, D.; Blake, I.F.;

Information Theory, 1994. Proceedings., 1994 IEEE International Symposium on
June-1 July 1994

Page(s): 97

[\[Abstract\]](#) [\[PDF Full-Text \(60 KB\)\]](#) **IEEE CNF**

12 Maximum likelihood decoding of Reed Solomon codes

Sudan, M.;

Foundations of Computer Science, 1996. Proceedings., 37th Annual Symposium
14-16 Oct. 1996

Page(s): 164 -172

[\[Abstract\]](#) [\[PDF Full-Text \(604 KB\)\]](#) **IEEE CNF**

13 Error evaluation algorithm for oneshot Reed-Solomon decoder

Katayama, Y.; Morioka, S.;

Information Theory and Communications Workshop, 1999. Proceedings of the 1
IEEE , 20-25 June 1999

Page(s): 130

[\[Abstract\]](#) [\[PDF Full-Text \(44 KB\)\]](#) **IEEE CNF**

14 Algebraic soft-decision decoding of Reed-Solomon codes

Kotter, R.; Vardy, A.;

Information Theory, 2000. Proceedings. IEEE International Symposium on , 25-
June 2000

Page(s): 61

[\[Abstract\]](#) [\[PDF Full-Text \(112 KB\)\]](#) **IEEE CNF**

15 On calculating interpolation polynomials for error values in Reed-Solomon decoding algorithm

Katayama, Y.; Yamane, T.;

Information Theory, 2002. Proceedings. 2002 IEEE International Symposium on 2002

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